

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/549,889

CRF Edit Date: 10/6/05
Edited by: h

- Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line
- Corrected the SEQ ID NO. Sequence numbers edited were:

- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- Deleted: / invalid beginning/end-of-file text ; page numbers

- Inserted mandatory headings/numeric identifiers, specifically:

- Moved responses to same line as heading/numeric identifier, specifically:

- Other:



PCT10

RAW SEQUENCE LISTING DATE: 10/06/2005
PATENT APPLICATION: US/10/549,889 TIME: 16:44:57

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\10062005\J549889.raw

```

3 <110> APPLICANT: ITOH, Fumio
4      HINUMA, Shuji
5      KANZAKI, Naoyuki
6      BANNO, Yoshihiro
7      YOSHIDA, Hiromi
8      MATSUMOTO, Hirokazu
10 <120> TITLE OF INVENTION: RFRP Receptor Antagonist
12 <130> FILE REFERENCE: 3163USOP
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/549,889
C--> 15 <141> CURRENT FILING DATE: 2005-09-06
17 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003496
18 <151> PRIOR FILING DATE: 2004-03-16
20 <150> PRIOR APPLICATION NUMBER: JP 2003-72709
21 <151> PRIOR FILING DATE: 2003-03-17
23 <160> NUMBER OF SEQ ID NOS: 3
25 <210> SEQ ID NO: 1
27 <211> LENGTH: 430
29 <212> TYPE: PRT
30 <213> ORGANISM: Human
W--> 31 <220> FEATURE:
33 <400> SEQUENCE: 1
34 Met Glu Gly Glu Pro Ser Gln Pro Pro Asn Ser Ser Trp Pro Leu Ser
35      1           5           10          15
36 Gln Asn Gly Thr Asn Thr Glu Ala Thr Pro Ala Thr Asn Leu Thr Phe
37      20          25          30
38 Ser Ser Tyr Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val
39      35          40          45
40 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
41      50          55          60
42 Cys Phe Ile Val Leu Lys Asn Arg His Met His Thr Val Thr Asn Met
43 65      70          75          80
44 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
45      85          90          95
46 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
47      100         105         110
48 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
49      115         120         125
50 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
51      130         135         140
52 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Val
53 145      150         155         160
54 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
55      165         170         175

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56 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Val Asp
 57 180 185 190
 58 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
 59 195 200 205
 60 Glu Lys Gly Met Arg Arg Val Tyr Thr Thr Val Leu Phe Ser His Ile
 61 210 215 220
 62 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
 63 225 230 235 240
 64 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Pro Gly Gly Glu Glu Ala
 65 245 250 255
 66 Ala Asp Pro Arg Ala Ser Arg Arg Ala Arg Val Val His Met Leu
 67 260 265 270
 68 Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu Trp Ala
 69 275 280 285
 70 Leu Leu Leu Leu Ile Asp Tyr Gly Gln Leu Ser Ala Pro Gln Leu His
 71 290 295 300
 72 Leu Val Thr Val Tyr Ala Phe Pro Phe Ala His Trp Leu Ala Phe Phe
 73 305 310 315 320
 74 Asn Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu Asn Phe
 75 325 330 335
 76 Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Arg Leu Cys Pro Arg Pro
 77 340 345 350
 78 Ser Gly Ser His Lys Glu Ala Tyr Ser Glu Arg Pro Gly Gly Leu Leu
 79 355 360 365
 80 His Arg Arg Val Phe Val Val Val Arg Pro Ser Asp Ser Gly Leu Pro
 81 370 375 380
 82 Ser Glu Ser Gly Pro Ser Ser Gly Ala Pro Arg Pro Gly Arg Leu Pro
 83 385 390 395 400
 84 Leu Arg Asn Gly Arg Val Ala His His Gly Leu Pro Arg Glu Gly Pro
 85 405 410 415
 86 Gly Cys Ser His Leu Pro Leu Thr Ile Pro Ala Trp Asp Ile
 87 420 425 430
 89 <210> SEQ ID NO: 2
 91 <211> LENGTH: 432
 93 <212> TYPE: PRT
 94 <213> ORGANISM: Rat
 96 <400> SEQUENCE: 2
 97 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Leu Gly
 98 5 10 15
 99 Gln Asn Gly Ser Asp Val Glu Thr Ser Met Ala Thr Ser Leu Thr Phe
 100 20 25 30
 101 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
 102 35 40 45
 103 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
 104 50 55 60
 105 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
 106 65 70 75 80
 107 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
 108 85 90 95

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```

109 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
110      100          105          110
111 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
112      115          120          125
113 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
114      130          135          140
115 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
116 145          150          155          160
117 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
118          165          170          175
119 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
120          180          185          190
121 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
122          195          200          205
123 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
124          210          215          220
125 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
126 225          230          235          240
127 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
128          245          250          255
129 Val Ala Glu Gly Gly Arg Thr Ser Arg Arg Arg Ala Arg Val Val His
130          260          265          270
131 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
132          275          280          285
133 Trp Val Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
134          290          295          300
135 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
136 305          310          315          320
137 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
138          325          330          335
139 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
140          340          345          350
141 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
142          355          360          365
143 Leu Leu Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
144          370          375          380
145 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg
146 385          390          395          400
147 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
148          405          410          415
149 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
150          420          425          430
152 <210> SEQ ID NO: 3
154 <211> LENGTH: 180
156 <212> TYPE: PRT
157 <213> ORGANISM: Human
159 <400> SEQUENCE: 3
160 Met Glu Ile Ile Ser Ser Lys Leu Phe Ile Leu Leu Thr Leu Ala Thr
161   1          5          10          15

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162 Ser Ser Leu Leu Thr Ser Asn Ile Phe Cys Ala Asp Glu Leu Val Met
163 20 25 30
164 Ser Asn Leu His Ser Lys Glu Asn Tyr Asp Lys Tyr Ser Glu Pro Arg
165 35 40 45
166 Gly Tyr Pro Lys Gly Glu Arg Ser Leu Asn Phe Glu Glu Leu Lys Asp
167 50 55 60
168 Trp Gly Pro Lys Asn Val Ile Lys Met Ser Thr Pro Ala Val Asn Lys
169 65 70 75 80
170 Met Pro His Ser Phe Ala Asn Leu Pro Leu Arg Phe Gly Arg Asn Val
171 85 90 95
172 Gln Glu Glu Arg Ser Ala Gly Ala Thr Ala Asn Leu Pro Leu Arg Ser
173 100 105 110
174 Gly Arg Asn Met Glu Val Ser Leu Val Arg Arg Val Pro Asn Leu Pro
175 115 120 125
176 Gln Arg Phe Gly Arg Thr Thr Ala Lys Ser Val Cys Arg Met Leu
177 130 135 140
178 Ser Asp Leu Cys Gln Gly Ser Met His Ser Pro Cys Ala Asn Asp Leu
179 145 150 155 160
180 Phe Tyr Ser Met Thr Cys Gln His Gln Glu Ile Gln Asn Pro Asp Gln
181 165 170 175
182 Lys Gln Ser Arg
183 180

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/549,889

DATE: 10/06/2005

TIME: 16:44:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:31 M:283 W: Missing Blank Line separator, <220> field identifier